

From owner-qrp-l@Lehigh.EDU Tue May 14 22:46:37 1996
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
Subject: [8556] .GIF converters
Message-ID: <Pine.SOL.3.91.960514110238.26110A-100000@utkux4.utcc.utk.edu>

Thanks to everyone for the suggestions and the 3 files received. For the moment, I'll have to request a cessation. My UNIX memory is full. so please hold off on ZIPPed and UUencoded files til I get back from Dayton. Will report on the 3 I have received as soon as I can test them.

My sincere thanks for the super-fast and generous responses. Ain't no lists in the world like Lehigh lists--and the folks who make them so great!!!

-73-
LB, W4RNL

From owner-qrp-l@Lehigh.EDU Tue May 14 22:46:37 1996
From: clifton w sikes <csikes@brightok.net>
Subject: [8538] 10 meters open
Message-ID: <199605140340.WAA00301@sooner.brightok.net>

Hi Gang, 10m was open here all weekend. Lots of ssb activity, but no cw!! Where was everyone? I called cq for a half hour on 28.060, but no luck. Let's all give it a listen. It should be good through the summer. I think this was discussed earlier on the list.

72, Clif

Clifton W. Sikes
AB5UA

QRP ARCI # 9058
QRP-L # 478
ARRL

From owner-qrp-l@Lehigh.EDU Tue May 14 22:46:37 1996
From: wa5whn@ix.netcom.com (Jay Miller)
Subject: [8546] Above 2 GHz, QRPp, from a Mtn Top
Message-ID: <199605141240.FAA04008@dfw-ix10.ix.netcom.com>

Dear Fellow QRPp Enthusists,

Well, there are 2 of You, that read this list, that I have worked on 10 GHz (not to be confused with 10 meters , or 10.1 MHz/30 meters). Those of us, who live in the Rocky Mountains, have some of the best locations, from which to operate from (SHF/EHF). Is there anyone else out there, that actually packs in some gear, above 70 cm & lives in the Southern Rockies ? It's kind of embarrassing, when the Chaps on the

East & Left Coast beat us (Thanks Zack), in the 10 Ghz contests (and I was up to 2 contacts on 10 Ghz). People had used to ask "What is that dummy doing carrying a parabolic dish up a mountain with him ?" Actually, they had thought I was going to slide down, in the parabolic dish antenna. So, are there any People out there, in the South West, that operates above 70 cm (QRPP) ? 10 milliwatts is still QRPP(p). I do usually monitor 146.52 MHz in the Wilderness/Desert/Wind Storms/Mountain Tops, looking for contacts on 10 GHz. I guess I am one of the few, the Proud (Oops, wrong part of history, & wrong branch of the US Military (for me), BTDT), the One above 2 GHz & usually above 10,000 feet asl. Any other SHF'ers or EHF'ers that run Mountain Top QRPP, in the Southwest ?

72...Jay, WA5WHN qrp(p)

From owner-qrp-1@Lehigh.EDU Tue May 14 22:46:37 1996
From: Joe Gervais <vole@primenet.com>
Subject: [8544] Aloha from the desert...
Message-ID: <199605140903.CAA00162@primenet.com>

(Warning: Mindless over-excited rantings follow...)

Howdy All,

So late Sunday night I think I've found paradise. At 1120pm Pacific Time I hear N3PM in Maryland on 7040 KHz working another station. My QRP WAS Radar(tm) spikes every neuron in my little mammalian brain. As he signs off I tail-end him, keeping my fingers crossed. Nothing. *sigh* Oh what the heck, call one last time. Bingo! He comes back to me. Wow! My little inverted vee up a mere 18 ft. at center, drooping to 5 ft. at the ends, broadside to the north and up against the side of my house, manages a solid QSO to MD. First MD station I've ever heard too - great! Very nice fellow. And I've snagged my 33rd state in my rather pokey pursuit of QRP WAS. To quote Ren and Stimpy, "Happy Happy Joy Joy!"

Then tonight at 1130pm Pacific Time I'm tuning around the Novice portion of the band, figure I'll try to bag a new ham whose sleeping habits are as weird as mine. Not much action so I open up the filter on my QRP+ to 2.4 KHz and start listening to some broadcast stations (my wife will be *thrilled* when I tell her how Djibouti's soccer club did in the latest matches... I ought to write a book on how to keep romance in your marriage... :-)

Suddenly a signal appears under the QRM. Hmmm... WH6VH... Wait a sec! Hawaii? Couldn't be. Nice solid signal. And my humble little antenna is great for "local" work, but miserable for 40m DX. Probably moved to New Mexico and never changed his/her call. No worries. At least I'll have another chat tonight. Send out my call and he comes back - name is Phil, my RST is 338 (time to charge my battery again!) and QTH is M-a-u-i, HI... Wow!!! This is too good to be true! So I send him my info as terse and clearly as I can and... he can't copy. AAIIIIIIIIIIIIIIIIIIII!! I'm SO CLOSE! Can't blame him though - he says commercial QRM is blowing me out. Curse those Djibouti soccer results! As he says sorry and signs "73", I get that rather draining let-down usually reserved for those who thought that their IRS audit was cancelled, only to find that they've been rescheduled a week sooner. His final "Aloha" hits my gut like an undercooked porkchop.

Then it occurs to me - like any ham who's got the urge for a QSO, he's not going to just go off the air, not when his night is just starting. So I crank my filter as wide as possible and start hunting and hoping. 7122 KHz - Bingo! (Hey Chuck - those Fox Hunts really paid off!) He comes back to me again and we have a nice chat for an hour or so. I'm very weak but he's a good op, thankfully. Phil's QRO (100w) but owns an OHR rig that he uses for working the other islands. The QRP fever is lurking in there. We can turn him. :-)

So there you have it. Low inverted vee, broadside to the north, up against the side of my house, and I hit one of my favorite scuba diving locations with 4w. A happier camper there never was. Now if only I could fall asleep. Maybe I'll hit 40m a little more. I hear that Nepal has been active recently.... :-)

7.3 de KC7NEV,

-Joe, vole@primenet.com, AZ ScQRPion #7

QRP WAS: 34 down, 16 to go.

TMPS: On hold until I can get off my duff and build an antenna for it...

From owner-qrp-l@Lehigh.EDU Tue May 14 22:46:37 1996

From: "Peter C. Wotherspoon" <Peter.C.Wotherspoon@hydro.on.ca>

Subject: [8560] Antenna fer FD

Message-ID: <Pine.SUN.3.91.960514131120.18473C-1000000@strong.Hydro.ON.CA>

Does anyone have any thoughts as to which of the following feed-lines would be better | any related ideas?

the antenna will be 3 horizontal vees.

Two of the vees will share a leg, for a total of 4 wires @ 60 degree to each other.

Now the point in question.

can I feed the apex with a ribbon construction of 4 wires and choose the pair that feeds the desired vee?

Can I construct a square feedline out of 300 ohm twin-lead?

This appeals to my sense of symmetry.

Should the unused lines, (always 2 unused), be grounded, or float?

I like the simplicity, directivity, ease of installation, and switched directivity, and single support pole.

Each leg should/(would like to be) 1 - 10 lambda, lets say 300 feet.

I suspect 100 feet is more realistic.

I will use a tuner, of course.

The feedline analysis is of the most interest to me, but any other ideas are most welcome.

TNX peter ve3gyy

From owner-qrp-1@Lehigh.EDU Tue May 14 22:46:37 1996

From: "David Kreinberg" <kreinbd@ccgate.dl.nec.com>

Subject: [8572] ANY REVIEWS ON FT840

Message-ID: <9604148321.AA832120382@smtpgw.ccgate.dl.nec.com>

Gang:

Has anyone seen the Yaesu FT840 reviewed in any of the mags? If so, can you direct me to them please?

Has anybody run this rig at or near QRP levels? How was the performance. What are your overall impressions of this rig.

It certainly looks like a nice one and I would like to get other's comments.

To all the Dayton-bound - have a ball (be careful,
listen to your spouse when he/she asks "Do you
really need another gadget around the house?" :0))

Thanks.

73 de Dave AC5GY

From owner-qrp-1@Lehigh.EDU Tue May 14 22:46:37 1996
From: Kirkekirk@aol.com
Subject: [8571] Busy Weekend
Message-ID: <960514175411_113548202@emout15.mail.aol.com>

Gang

After my Friday trip to Dayton, I return home and will camp out with the Scouts Friday evening, Saturday and Sunday morning. I'll have my QRP Plus to show to the Scouts, so listen for me on the SSB and CW bands.

Kirk
AA4YZ

From owner-qrp-1@Lehigh.EDU Tue May 14 22:46:37 1996
From: "Jon Iza" <iapizloj@bicc00.bi.ehu.es>
Subject: [8543] Cascade filter problem, round #1
Message-ID: <199605081543139851.iapizloj@bi.ehu.es>

Gang,

I've got interesting email from Dave Meacham and Frank Gurnee about the cascade filter problem I found (the rig was not able to tune LSB on 80 meters -yes, IARU Region 1 bandplan-). At first, it looked like the filter bandpass was waaaaaay out the marked frequency 9.000 MHz, since the BFO xtal was right on spot 8.997-9.003. I wasn't expecting "my" filter was prepared with all the outliers from the Norcal bulk order (more than 1000 xtals) but I guess I'm wrong ;-) ;-) ;-)
The bandpass center seems to be near 9.004 MHz, and the BFO is not able to reach the "other" sideband. (A 10 pF capacitor added to the BFO cap C19 got things worse, lowering the BFO even further)
So, instead of desoldering all crystals and check their frequency, I bought a CB channel 6 xtal (27.025) to operate as BFO xtal.
Bingo! nice demodulation of LSB as well as USB... In fact, I was so eager to test it that I connected the rig to the antenna in the middle of a severe thunderstorm and checked up. Oh, boy! Now I KNOW what is QRN!

(I use to have a Butternut, with a BIG choke for static) I guess some hiss nearby the PA wasn't very healthy but, anyway, I did get my first QSO with this rig on 20, SP9VBZ giving me 57. He told me the modulation was not perfect. Duh! And my wattmeter is showing some power coming out even without modulation..... mmmm!
Well, it looks like I have two possible problems now: a sick PA, and/or a weird bandpass filter.
I'll keep you posted on my advances. It will be on Round #2.
Boy!, ain't that radio stuff great!

jon, ea2sn

From owner-qrp-1@Lehigh.EDU Tue May 14 22:46:37 1996
From: Doug Hendricks <ki6ds@telis.org>
Subject: [8540] Cascades all gone
Message-ID: <31980293.7BE@telis.org>

NorCal has sold out all of the Cascades. Jim just called and said that we had received the check for the last one. The Cascade was a great kit and lots of fun. I think it was at the edge of what I want to do with a kit as far as producing and packaging it. I packed 250 x 334 parts and that is a bunch. Thanks to John Liebenrood, K7RO and Dave Meacham for all of their fine work. 72, Doug

From owner-qrp-1@Lehigh.EDU Tue May 14 22:46:37 1996
From: Pete Meier WK8S <pmeier@sun.tir.com>
Subject: [8549] Dayton Hospitality Limited Special
Message-ID: <31988A1A.41DE@tir.com>

Since Roy Gregson of EMTECH and the famous NW8020 cannot join us this year Ernie NC8N (and myself) have volunteered to represent EMTECH. We will have a VERY limited offering of his wonderful products for sale. We do this as a favor to a friend and have no financial interest in EMTECH. I just felt the QRP Gang deserves to see what Roy is offering and a FEW lucky ones will be able to buy and take some home. Stop by and see what Roy of EMTECH has to offer.

Pete

--

Member of ARRL, ARCI, MI-QRP, G-QRP, NE-QRP, CQC
Pete Meier WK8S QRP-L#212 Email: pmeier@tir.com
Waterford, Michigan USA

From owner-qrp-1@Lehigh.EDU Tue May 14 22:46:37 1996
From: John Fleming <johnflem@mailbox.mcs.net>
Subject: [8554] Forty-9ner Schematic on the net?
Message-ID: <319808C0.6427@mailbox.mcs.net>

Howdy,

Just got my 40-9er kit. This is the divorced man's equivalent of Dayton.

The schematic is blurry. These old eyes can't make out the parts id's.

Is there a JPEG or GIF on the net somewhere? Would it be possible to make a good copy for viewing/printing?

(PS I realize it may be in a previous copy of Qrpp, but I don't know where they are at the moment :()

Thanks,

John N9NDH

From owner-qrp-1@Lehigh.EDU Tue May 14 22:46:37 1996
From: Dick Schneider <74602.3317@compuserve.com>
Subject: [8559] FS Yeasu FRG100 CW Filter
Message-ID: <960514164020_74602.3317_EHH36-1@CompuServe.COM>

[REPOSTING]

FOR SALE: CW Filter for Yeasu FRG100 Receiver

XF-110C CW Filter - 500 Hz (list price: 175)

\$75 includes shipping

Please Email reply.

72/73 Dick/KB0SRY..

From owner-qrp-1@Lehigh.EDU Tue May 14 22:46:37 1996
From: cmassey@airmail.net (Cleve Massey)
Subject: [8567] HW-8 for sale
Message-ID: <v02140b02adbfe61ab46d@[206.66.11.62]>

I have an assembled HW-8 for sale...in excellent condition, working great!!!

The original manuals as well as some mods from recent articles...NO MODS
HAVE BEEN DONE TO THE RIG...

Will throw in a TEJAS active audio filter kit...

If you want scratch one item off your DAYTON list e-mail me direct...

Asking \$225...will negotiate shipping if you want it in time to operate
from the DAYS INN

tnx...cleve/wd5bor

From owner-qrp-1@Lehigh.EDU Tue May 14 22:46:37 1996
From: blombard@iu.net (Bob Lombardi)
Subject: [8570] Latest Version of Filter Design SW Available
Message-ID: <199605142120.RAA01898@bb.iu.net>

Announcing FilDes 2.01

I would like to draw your attention to the release of the newest
version of my filter design program, FilDes (also known as FDS).
FilDes 2.01 is a minor revision to correct a couple of bugs in the
release of 2.0. FilDes is copyrighted to prevent others from using
or selling my code, but is free for all users.

FilDes 2.0 brought the following features to the program.

- * Design of Bessel (flat group delay) LP, HP and BP filters
- * Design of Gaussian to -6 and Gaussian to -12 dB filters in
LP, HP and BP.
- * Design of Linear Phase with 0.05 and 0.5 degree equiripple
phase error filters in LP, HP and BP.

- * Extensive support built-in for ARRL Radio Designer (r) from the ARRL and Compact Software(r).
- * Computation of duals of LP and HP filters for ease in diplexer design or more realize-able component values.
- * A filter "estimator" for Systems Engineers, and others who don't want to build filters, but need to know how much filter they need.

The following FilDes features are still there, or have been improved.

- * Design of LP, HP, BP, BR and narrow BP filters in Butterworth or Chebychev transfer functions with .001 to 3 dB of ripple.
- * Design of Elliptic (Cauer) LP and HP filters.
- * These designs carried out by synthesis, not look-up table.
- * Calculation of the order required from these filter types to meet your attenuation requirements.
- * Output to text printer or Touchstone (r) .CKT file format.
- * Estimate of midband insertion loss for BP filters, based on component Q.
- * Online, context-sensitive help.

The program comes with a companion utility called Airwndl (Air Wound L) which calculates the number of turns for an air-wound single-layer solenoid coil. A complete description of FilDes2 is included in the file FilDes2.doc, and also as a Windows 3.1 Write (r) file, FilDes2.wri. Everything is in a zipped archive called FDS201.ZIP. It is available at ftp.ee.ualberta.ca in the directory /pub/cookbook/softw/ibm and in the QRP-1 archive as at ftp.lehigh.edu, where it is currently found in /pub/listserv/qrp-1/tools.

73,
Bob

Statement of contribution policy: I never turn down cash, but send it only out of undying admiration, not because of nasty shareware warnings. FilDes is freeware.

The following bit of "mock legalese" is lifted from FilDes2.doc:

Trademarks, copyrights and the like

FilDes is copyright by Bob Lombardi.

HP, EEsof and Touchstone are registered trademarks and copyrights of what is now HP/EEsof. HP is a registered trademark of the Hewlett Packard Company. The ARRL is the American Radio Relay League, the US' national amateur radio organization. ARRL Radio Designer is copyright by Compact Software, Inc., and the American Radio Relay League. Windows, and Windows Write are trademarks and copyrights of Microsoft Corporation. I have no connection with any of them aside from being a member of the ARRL.

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Bob Lombardi	WB4EHS in Melbourne, FL	o	\---\---\
blombard@iu.net	or blombard@freenet.fsu.edu	/\	
Telescope making, optics, astronomy, piano, bicycling	-\ 7	& radio	
I've run out of things I can say in 4 lines.	(*)/(*)		

From owner-qrp-1@Lehigh.EDU Tue May 14 22:46:37 1996
From: Doug Hendricks <ki6ds@telis.org>
Subject: [8541] New NorCal Projects at Dayton
Message-ID: <31980468.2FF@telis.org>

Norcal will have two new projects to show at Dayton. Well, sort of. One is definitely a project and will be a kit that we will have in the fall. I will have that with me on Thursday. Ask to see it.

The other, well it is a collaboration of NorCal and Wayne Burdick. He mentioned to me at a meeting that he could design a neat accessory, but wasn't sure if there was a market. I encouraged him to design it and come out with it at Dayton. Wayne will have it with him and will be showing it Friday night. Can't tell you what it is, but here is a hint. There is nothing like it on the market, yet there are several similar products. It will work with both SSB and CW rigs of any kit design that I know of. (No matter what band the rig is on.) When you see it, you will absolutely have to have one, or two, or three. This will not be a NorCal kit per se, but Wayne will be taking orders for Wilderness I am sure. He has promised not to announce it until then. So when you see him at Dayton, ask to see it.

72, Doug, KI6DS

From owner-qrp-1@Lehigh.EDU Tue May 14 22:46:37 1996
From: svecbrdk@well.com (Lillian Svec and Wayne Burdick)

Subject: [8575] Please note new e-mail address for Wayne Burdick (N6KR)
Message-ID: <v01510102adbf062d8d7a@[206.15.66.103]>

Hi Folks,

In the interest of eventually having our own Web pages, my wife and I now have an account on The Well.

I've also decided to re-direct all of my personal, ham-related, and Wilderness-related e-mail to this address. Please use this address (svecbrdk@mail.well.com) for all future correspondence.

Thanks and 73 from our new virtual netspace :)

Wayne

From owner-qrp-1@Lehigh.EDU Tue May 14 22:46:37 1996
From: Dick Schneider <74602.3317@CompuServe.COM>
Subject: [8542] QRP Equip Resource Guide
Message-ID: <960514055900_74602.3317_EHH31-1@CompuServe.COM>

All..

FYI--the Colorado QRP Club has published a handy guide to QRP gear and accessories. I've been leafing through mine and found all sorts of things I want to check out. It lists manufacturers and specific listings for rcvrs, xmtrs, xcvs, keyers, wattmeters and other gear. The guide, called the Equipment Resource Directory, is only 5 bucks from the club (Colorado QRP Club - ERD, 3140 S Peoria St. Unit K-156, Aurora CO 80014-3155). It's also available on disk in ASCII for \$10 and in an actual database for \$20. It's going to be updated periodically too. Check it out.

72/73 Dick/KB0SRY..

From owner-qrp-1@Lehigh.EDU Tue May 14 22:46:37 1996
From: meh@cbsms1.cb.att.com (m.e.hartwell)
Subject: [8558] Questions about Spain
Message-ID: <199605141502.LAA11351@emsr1.emsr.lucent.com>

Hello Gang

I have a couple or more questions. I know we have some Spanish readers on the list. My questions deal with my trip coming up later this month to Madrid. First are there any readers of the list living in Madrid or close? Next are there any stores in Madrid that sell radios and radio related equipment like swr meters tuners etc? I will be there about two weeks what are some nice places to see.

Marty kd8bj

Martin (Marty) Hartwell
QRP-L=199, MIQRP=1395
6400 Havens Rd.
Blacklick, OH 43004

Phone: (614)860-2091
Amateur Radio Station KD8BJ
Email meh@cbsms1.cb.att.com
Home Phone (614)855-2470

From owner-qrp-l@Lehigh.EDU Tue May 14 22:46:37 1996
From: talljazz@teleport.com (Dan Presley)
Subject: [8562] radials
Message-ID: <v01530502adb730f6915@[206.163.123.189]>

The best tool is an old fashioned lawn edger-the kind with a semi-circle blade & a lip for pressing it down with your foot. Just make the cut in the grass & press in the wire-any guage will do & insulated will probably hold up longest.
Dan N7CQR

From owner-qrp-l@Lehigh.EDU Tue May 14 22:46:37 1996
From: "richard wilkerson" <richqrp@msn.com>
Subject: [8539] special event station
Message-ID: <UPMAIL07.199605140353100952@msn.com>

I have been putting my ear to the rig around 0300z each night but not hearing the special event station kc7ghk, at the Grand Canyon..has anyone eles heard them at or around 7040kc?????" 72's rich wd6fdd

From owner-qrp-1@Lehigh.EDU Tue May 14 22:46:37 1996
From: "Bob White" <Bob_White@CCMAIL.aerosys.loral.com>
Subject: [8557] TMPS AT the Milliwatt Level
Message-ID: <9604148320.AA832097754@CCMAIL.AEROSYS.LORAL.COM>

----- Forward Header -----

For anyone doing the TMPS at the milliwatt level, please email me direct with a description of your station, power used and results so far as I would like to include this information in my next QQ Milliwatter Article.

Thanks,

Bob White W03B

bob_white@ccmail.aerosys.loral.com
<http://www.geocities.com/SiliconValley/5582>

See you all at Dayton!

From owner-qrp-1@Lehigh.EDU Tue May 14 22:46:37 1996
From: "Peter C. Wotherspoon" <Peter.C.Wotherspoon@hydro.on.ca>
Subject: [8561] Toroids
Message-ID: <Pine.SUN.3.91.960514132120.18473D-100000@strong.Hydro.ON.CA>

Does anyone know how to interpret the unmarked toroids I see in surplus stores. There is every size shape and colour.
I does have some guidelines for use given that I can figure out the material.
t -50 or t 43 etc. That I can't figure out.
Tnx again today.
Peter

From owner-qrp-1@Lehigh.EDU Tue May 14 22:46:37 1996
From: pmol Per Mol <pmol@dec5102.aarhues.dk>
Subject: [8553] Woodpecker truble.
Message-ID: <319911F5@msmailgw.aarhues.dk>

Heya all...

I'm the proud owner of the TenTec Argonaut 509 as the ONLY rig for HF I have.

I'm also the sorry poor guy, who have to do with only an old half wave GP antenna for 27MHz, as I am living at my parrents home for a while... And the GP was up the tower already... Ofcourse I use a matchbox to keep SWR low... And have had QSOs in all 5 bands (Not DX but still QSOs)..

My problem is, that in 20meters I have a woodpecker with sigs about 6-7s :-(

I think this is some 9MHz HF going all the way throu to my IF ??? Yes?

Please if any one could help me, either just confirming that it might be the problem, or helping me out in another way to sort out the problem...

I'm looking forward to hear from you...

Vy 73 or 72 (if you prefere) de Per Mol
oz1kad@oz2bou.ran.jyl.dnk.eu
pmol@aabc.dk

++++

From owner-qrp-l@Lehigh.EDU Tue May 14 22:46:37 1996
From: Kevin Anderson <anderson@ncrsun1.ncr.usace.army.mil>
Subject: [8545] WTB: Century 22 (or 21)
Message-ID: <Pine.SUN.3.91.960514071546.3430A-1000000@ncrsun1>

Low-Power Specialists:

I'm looking for a Ten Tec Century 22 (or possibly a 21, although the 22 is preferred) with power supply. Please reply with price and condition. I'm off the air until I find something. Thanks.

Cheers/72. Kevin, KB9IUA

Kevin L. Anderson, CENCR-PD-W, U.S. Army Corps of Engineers
Rock Island District Office, Planning Div.-Waterway Systems
Rock Island, Illinois 61204-2004, USA phone:(309) 794-5586
e-mail: anderson@ncrsun1.ncr.usace.army.mil

Opinions expressed here are my own and do not represent the
U.S. Army Corps of Engineers or the Federal Government.

From owner-qrp-1@Lehigh.EDU Tue May 14 22:46:37 1996
From: James Bell <jim.bell@canada.cdev.com>
Subject: [8564] Re:Antenna fer FD
Message-ID: <199605141807.0AA95343@nss2.CC.Lehigh.EDU>

Years ago I was part of the Peterborough Ont F.D.
We erected two inverted V's on the same pole at
right angles to each other. One for 80 m and the
other for 40 m .

Separate coax ran to two rigs in different
operating positions about 100 ft apart.

When the 40 m setup was working, it would swamp the
80 m station.

we had no joy until we moved one of the antennas.
It is ok to just have one rig on this sort of setup
and switch antennas to work the 2 bands.

Have a good F.D.
72 Jim VE3DDY OTTAWA

From owner-qrp-1@Lehigh.EDU Tue May 14 22:46:37 1996
From: "Jerry L. Bartachek" <jbartac@max.state.ia.us>
Subject: [8566] Re: Antenna fer FD
Message-ID: <3198EE12.6810@max.state.ia.us>

de Jerry KD0CA

Peter, I've always wanted to try this antenna idea of yours!! I
fantasize the 4 wires all mounted at eh apex on a single tall wooden
pole. If you run 4 wires evenly spaced from each other down said pole,
and the spacing was perhaps 2 or 3 inches apart, you could attach a
weatherproof box at the bottom where you could select any 2 wires via
relays.

The lines running down the pole would be about 450 or 600 ohms or more in
impedance, although the exact figure is not important since you will be
"zepp" feeding the 2 you select. Line from from the switching
arrangement to the station should be low loss parallel line, homebrew, or
commercial will make no difference, and it doesn't matter that you change
impedance in the middle of the feeders, as all tuning is done on the
station end as in the late Mr. Haerle's book "the Easy Way".

You would be able to feed any of the three 60 degree horizontal vees at will. Since these have a bidirectional pattern, you will cover the globe. I think you could also arrange the switching so you could feed the outermost 2 wires like a center fed zepp since they will be 180 degrees apart. also there would be 2 possible combinations of 120 degree horizontal vees also, but I don't think the radiation pattern would be very "beam-like"; more like another c.f. zepp.

Please do report to the list what happens when you build and use this. I bet you can work a lot of DX with such a skyhook!

72,

Jerry KD0CA

From owner-qrp-l@Lehigh.EDU Tue May 14 22:46:37 1996

From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>

Subject: [8548] Re: CLIP ART

Message-ID: <Pine.SOL.3.91.960514091036.11072B-100000@utkux4.utcc.utk.edu>

Speaking of art, does anyone know of a good freeware/shareware program for converting .PCX, .TIF, etc. into .GIF (and back again)?

I know Coral Draw can do it, but don't need the whole program (or its cost).

If you have a freeware/shareware program for the conversion, let me know how to get it--or send me the .ZIP file.

Many thanks in advance.

-73-

LB, W4RNL

L. B. Cebik, W4RNL	/\ /\ *	/ / /	(Off) (423) 974-7215
1434 High Mesa Drive	/ \ / \	----/\---	(Hm) (423) 938-6335
Knoxville, Tennessee	/\ \ \ \	/ / /	(FAX) (423) 974-3509
37938-4443 USA	/ \ \ \ \		cebik@utk.edu

From owner-qrp-l@Lehigh.EDU Tue May 14 22:46:37 1996

From: John Fleming <johnflem@mailbox.mcs.net>

Subject: [8568] Re: Forty-9er Schematic on the net?

Message-ID: <31985DBB.6C97@mailbox.mcs.net>

Guys,

You're unbelievable! I'm swamped with responses. Why don't the other newsgroups have such helpful members!

Thanks,

John N9NDH

From owner-qrp-l@Lehigh.EDU Tue May 14 22:46:37 1996
From: Bob Hightower <ki7mn@dancris.com>
Subject: [8569] Re: Forty-9er Schematic on the net?
Message-ID: <199605142026.NAA05942@user.dancris.com>

At 03:17 PM 5/14/96 +0500, you wrote:

>Guys,

>

>You're unbelievable! I'm swamped with responses. Why don't the other
>newsgroups have such helpful members!

>

>Thanks,

>

>John N9NDH

>

>

Because this isn't a newsgroup, but a USERS group. Big difference. I have learned more from this group than from any other I have been in, on the net or otherwise.

73,

Bob KI7MN NorCal 1221 ARCI 8918 Qrp-l 271 CQC 274 ARRL (Not in any order of importance!)

From owner-qrp-l@Lehigh.EDU Tue May 14 22:46:37 1996
From: flanders@GroupZ.net (Jerry Flanders)
Subject: [8555] Re: Ground Radials (and Homebrew Vertical)
Message-ID: <199605141502.LAA44227@nss2.CC.Lehigh.EDU>

Hi, Brad and Gang

Concerning the question of how to lay down the radials:

I set up a vertical system once using 15 gauge aluminum "electric fence"

wire from Sears for the radials. I cut the grass short before starting. After making the electrical connection at the antenna base, I stretched the wire out along the top of the grass and bent the far end straight down for maybe 4-5 inches, then pushed it into the soil to "peg" it in place temporarily. Then I formed some V shaped "staples" from about 8-10 inch lengths of this same wire and stapled the radial every few feet along it's length.

For the first few months, I set the lawnmower a bit higher than usual while cutting the grass. The shiny aluminum wire looks strange to the neighbors for awhile, but after a few months the grass completely covers it, and then you can set the lawnmower back to normal height. Early spring is a good time to install something like this, so the grass covers it quickly

Incidentally, we sold and moved out of that house in '80. The new owner put in a paved tennis court a couple of years ago over my old radials. I wonder what he thought when he found all that aluminum wire "growing" just under the surface!

Another method is to make small trenches with an "edger". A gasoline powered lawn edger will make a slot-like "trench" about a quarter inch wide and about 1 inch deep. It takes awhile to make a thousand feet of trench, but when you get it finished you won't see the wires! You would use the same procedure as above, pegging the wire every few feet. This procedure also works well to bury the coax, if you make the trench wider by "working" the edger a bit.

An excellent homebrew vertical antenna for use with radials is a simple conductor about 43 feet long. That length (when the reactances are tuned out at the base of it) gives you a radiation resistance of about 50 ohms on 7 MHz, gives you approximately a 5/8 wave (with resulting gain at low angles, and also about 50 ohms radiation resistance) on 14 MHz, and (if I remember the numbers correctly - it has been years since I actually designed this thing) a radiation resistance of about 12 ohms on 3.5 mhz (making it a bit easier to match there with a standard 4:1 transformer). When I was using this we didn't have 30 meters, and I couldn't operate 160, so I didn't try to match the antenna on those bands. I did not provide for remote switching from the shack at the base, so I had a long walk to change bands (by a rotary switch at the base). The matching network is very simple - just a capacitor on 40, just an inductor on 80, and a different inductor on 20. I used a 1/4 wave line of 26 ohm coax for the 4:1 transformer on 80. It was a VERY effective omnidirectional antenna. If anyone wants to actually build this, email me and I will try to be more specific about values (I still have the old matching network on a shelf in the garage).

Jerry W4UKU South Carolina flanders@groupz.net

From owner-qrp-1@Lehigh.EDU Tue May 14 22:46:37 1996
From: NYOUNG@desire.wright.edu
Subject: [8547] Re: Ground Radials (staples and lawn mowers and such)
Message-ID: <01I40UXDKEK88YKC82@desire.wright.edu>

I use one of those lawn/sidewalk edge trimmers to put out radials. It ain't as easy as justs laying the wire out and having a bunch of garden center guys put out new topsoil, but it sure beats taking a chance of slinging a wire staple across the lawn with the mower and straight into a neighbor kid's eye.

Take the edge trimmer and grind and scratch yer way across the yard in a line that'll hold a radial wire.

Come back to the beginning of your little "trench" and begin shoving the wire down into the hole with a stick or your fingers. You can build a little "stuffer" out of a piece of plastic or metal that will hold a bobbin of wire and push it down as you go. Be inventive. I have to be 'cause I never can find the little "stuffer" when I want it.

Once you have the wire stuffed into the groove what you cut with the edger, go back over the line with yer feet and poosh the ground down. I also hose the little line down with water to kinda seal things up worm-style.

And there ain't no exposed wire to catch on the lawn mower blades and no staples to fling into your shins. (And if yer' really sneaky, you can leave enough of the wire out at the distant end to go back in the evening and attache the wire to the neighbor's fest that's fence... the neighbor's fence posts.

73
Nils
WB8IJJ +c

From owner-qrp-1@Lehigh.EDU Tue May 14 22:46:37 1996
From: adams@chuck.dallas.sgi.com (chuck adams)
Subject: [8551] Re: Ground Radials (staples and lawn mowers and such)
Message-ID: <199605141351.NAA27576@chuck.dallas.sgi.com>

Nils et.al.,

I too used a lawn edger (the one with the blades not the whimpy

string thingy) to bury radials. (Remember boys and girls to have parental supervision while working with sharp objects.)

But here in Texas you don't go poking your fingers into holes in the ground. At your favorite hardware store they have a neat little gadget used for replacing wire screen into "screen doors". It consists of a plastic disc (like a pizza cutter is best I can describe it) that has a groove in it around the edge that works great for burying the wire. It's just a few inches in diameter and pretty cheap.

I used the #12 or whatever 500 foot rolls of house wiring and got pretty good at removing the insulation with a pocket knife. I buried three of these rolls at the old homestead for the Butternut HF6V vertical and later used the radials as the ground side of the long wire. I used random lengths with the longest being approximately 40M. One thing with the insulation removed I found that my little trust DMM showed less than one ohm DC resistance from the ground side of the tuner to the ground on the electrical plug for the house wiring.

I still wanted to go back and bury the wires with the insulation intact. The wire would last longer and I think the capacitive coupling to the ground would be sufficient at RF. But someone else may have already been there and done that. Depending upon soil acidity and composition the wire will probably only last about 5 years or so. But then consider it physical exercise to replace it.

Within a few weeks of the growing season for the grass all traces of where you buried the wire will disappear. You'll find the wires when you go to plant trees and other things. :-)

dit dit

--

Chuck Adams (K5FO CP-60) adams@sgi.com
K5FO TMPS 1996 Qs=012 States=10 Confirmed=04 DX=01
AZ CO IN MI OR SD TX UT WI WY

From owner-qrp-l@Lehigh.EDU Tue May 14 22:46:37 1996
From: "J. Skalski" <jskalski@acsu.buffalo.edu>
Subject: [8563] Re: Ground Radials (staples and lawn mowers and such)
Message-ID: <Pine.SOL.3.91.960514134142.29746A-100000@lictor.acsu.buffalo.edu>

I used a large knife to split the earth. It got sorta tiring by the time I got to radial #60. BTW I used stainless steel welding wire. It looks the same as the day I put it in the ground. It probably isn't supposed to

work, but it does :-) My vertical receives QRN very well from all directions.

73,

Jim N2GO
The Buffalo QRP CONNECTION
ARCI #9013 QRP-L #381
jskalski@acsu.Buffalo.EDU

From owner-qrp-1@Lehigh.EDU Tue May 14 22:46:37 1996
From: "Paul R. Valko" <prvalko@oakland.edu>
Subject: [8552] Re: QRP 807's (was atomic keyer report)
Message-ID: <Pine.OSF.3.91.960514095656.604B-100000@vela.acs.oakland.edu>

On 13 May 1996, Thom LaCosta wrote:

> Is there an 'Official' QRP 807?

Much like the famous, "How can I get my ICOMWOODSUE under 10 watts?"
THIS question also pops up so often that I should just include it on
the FAQ.

For once and for all, the Official QRP 807 is ...

C O L D !

73! =paul= wb8zjl

From owner-qrp-1@Lehigh.EDU Tue May 14 22:46:37 1996
From: QLF%mini@magic.itg.ti.com
Subject: [8565] re: RADIALS
Message-ID: <9605141812.AA04961@itg.ti.com>

From: Brad Bradfield QLF

Subj: re: RADIALS

Good afternoon QRP'ers.

I wanted to respond to the comments from a couple of you earlier today about using insulated radial wire to make it last longer in the ground.

Standard practice in the AM broadcast industry is to use bare #10 AWG copper wire for radials. Many of these have been in the ground for 30-40-50 years or more with little if any degradation or deterioration. Some amount of radial maintenance is typically required. This mainly takes the form of making sure they remain covered and attached electrically to the ground bus around the tower base. Some soil erosion often takes place, particularly near the tower base, due to people walking there, etc. The radial plow usually doesn't get quite as deep at the tower base end of the radial either.

If anybody's interested in hearing my sole horror story of dealing with a deteriorating broadcast radial system, drop me a note and I'll send it direct. It's a bit long to send here on the QRP-L.

73's

Brad, WB0CGH

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*****
Brad Bradfield, PE                               Electrical Design Engineer
(H) 817-321-2960                                Texas Instruments, Inc.
(W) 214-462-6230
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QLF@MSG.TI.COM

WB0CGH@W05H.#DFW.TX.USA.NA

ARRL Life Member QRP-L #377 SMIRK #4906 IEEE(M) ARS #72

Collector of wireless and landline Morse keys, memorabilia, and accessories.

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*****
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From owner-qrp-l@Lehigh.EDU Tue May 14 22:46:37 1996

From: art.searle@asb.com

Subject: [8574] Re:TMPS, ETC.

Message-ID: <9605142244.0VXWL01@asb.com>

Subject: Re: TMPS, ETC.

Bob Kellogg, AE4IC, <ae4ic@nr.infi.net> wrote:

>UT7HA - have no idea, rst was 229, his name was Vlad.

>This must be one of

>the middle european countries. -- anyone know?

UT7HA is Ukraine

Brian Carling, AF4K <brian.carling@acenet.com.us> wrote:

>Russia.

Nope! UT7HA is definitely Ukraine and the following answer key may help. If you work'em on 30 meters, don't you want to know who ya worked?

CIS Country	New Prefix	Old Prefix
-----	-----	-----
Azerbaijan	4J	UD,RD
Georgia	4L	UF,RF
Armenia	EK	UG,RG
Moldova	ER	UO,RO
Belarus	EU,EV,EW	UC,RC
Kyrgyzstan	EX	UM,RM
Tajikistan	EY	UJ,RJ
Turkmenistan	EZ	UH,RH
Uzbekistan	UJ-UM	UI,RI
Kazakhstan	UN-UQ	UL,RL
Ukraine	UR-UZ,EM-EO	UB,RB
Russia*	U,UA-UI,R,RA-RI	UA-RA

*This is 2 Russian DXCC countries:

#s 1-7 are European Russia
#s 8,9,0 are Asiatic Russia

Also don't forget about:

Malyj Vysotskij Is. prefix could be 4J1
Franz Josef Land prefix could be 4k2
Antarctica by Ruskies prefix could be R1
But don't count on it.

Warning! Please don't try this at home. Figuring this stuff out is for the experienced DXers only. The logical orderly mind of the QRP'er could be irreparably damaged by the illogic of DX. This damage could have an effect on you next radio project. For instance, you may make the radio only work split frequency, or build in a keyer with an extra button that only sends ..- .--. ..- .--. (up up), or another button that sends -.-. .- .--. .--. .--.. (call?) or worst you might try to build a preamp for you 40-9er using 3-500Zs.

73, de Art WU2K

WU2K TMPS 1996 Qs=013 States=0 Confimed=0 DX=013
(3B8,8P,9L,EI,ER,EU,F,G,HA,HI,LU,OK,UR)

Antenna: broken Garant Windom

--

72,73, de Art Searle, WU2K, Long Is., NY, ARRL Life Member
QRP-L #524, QRP ARCI #9123, NorCal pending, DXCC MX & CW HR
NRA Benefactor Life Member, NMLRA Life Member, AMA Life Member
Dale Earnhardt Fan Club, NRA Certified Firearms Instructor

From owner-qrp-l@Lehigh.EDU Tue May 14 22:46:37 1996
From: Dave Fifield <fifield@lan.nsc.com>
Subject: [8573] Re: Toroids
Message-ID: <31990028.7BE2@lan.nsc.com>

Hi Peter,

There have been many threads on this subject on qrp-l. If you take a look at the archives on lehigh, you'll find the answers you're looking for. Basically, from what I can remember of the threads, you *can't* tell what the toroid material is by the color scheme (because there isn't one that all the manufacturer's agree on). You have to buy and hope...then do some tests later to determine the core material. All very hit and miss. Most of the threads on this conclude that if you want to be sure, then buy NEW toroids from Palomar or Amidon.....look in the archives (anonymous@ftp.lehigh.edu/pub/listserv/qrp-l/components) for details of suppliers.

Dave Fifield

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|--      KQ6FR      --|
--||      QRP-L  #92      ||--
|--      Norcal #1486      --|
```

From owner-qrp-l@Lehigh.EDU Tue May 14 22:46:37 1996
From: Dan Halbert <halbert@BBN.COM>
Subject: [8550] Re: [8511] Chip caps in a VFO
Message-ID: <199605141331.JAA01481@halite.bbn.com.bbn.com>

Re: successfully using NP0 chip capacitors to build stable oscillators

You may be able to find chip capacitors with wire leads. A while ago, I bought a bunch of NP0 capacitors made by AVX, described as "monolithic ceramic" caps. They have very small rectangular bodies. I have broken the leads and coating off several by accident (they don't

stand too much flexing near the body), and inside I see a ceramic chip capacitor. I was always very pleased with the stability of the oscillators I built with these caps.

Dan Halbert, KB1RT